

FIGURE 1

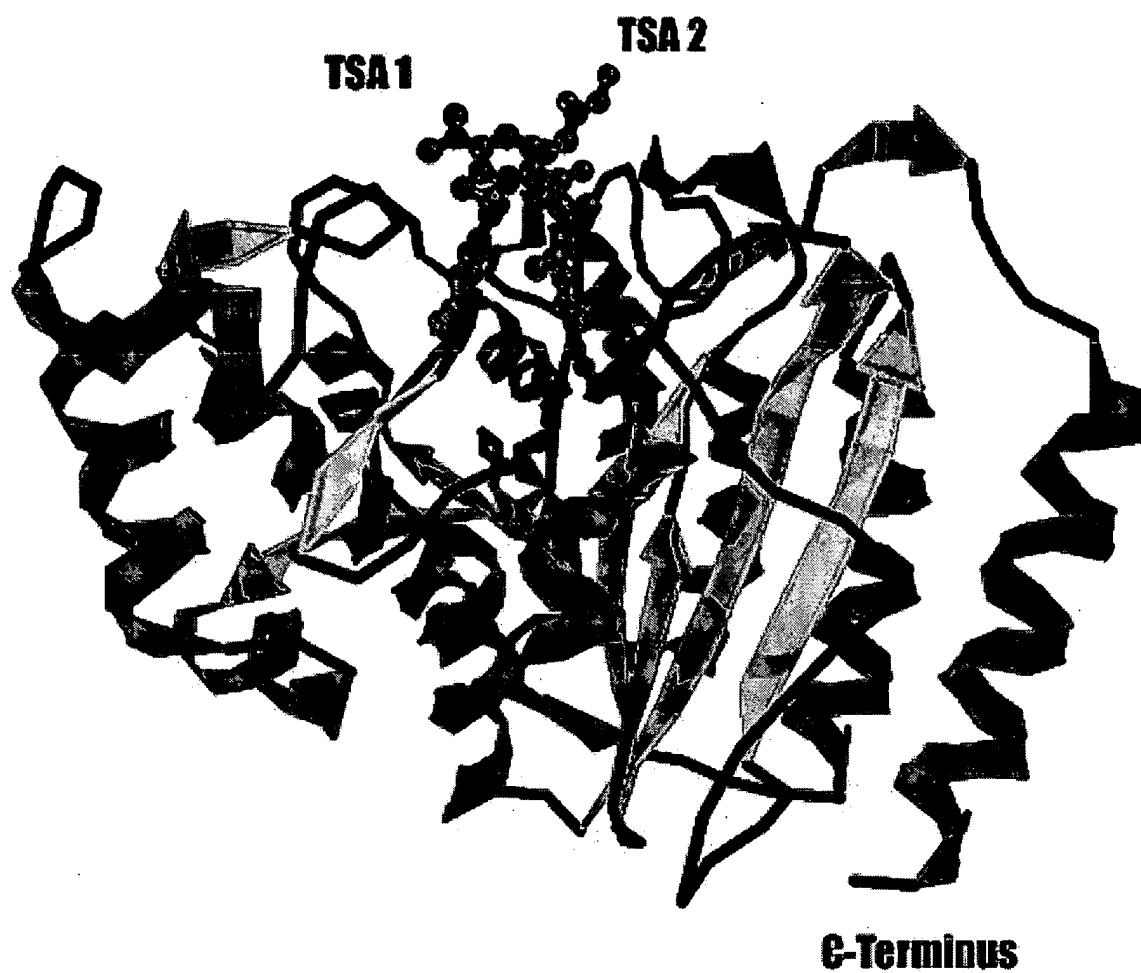


FIGURE 2A

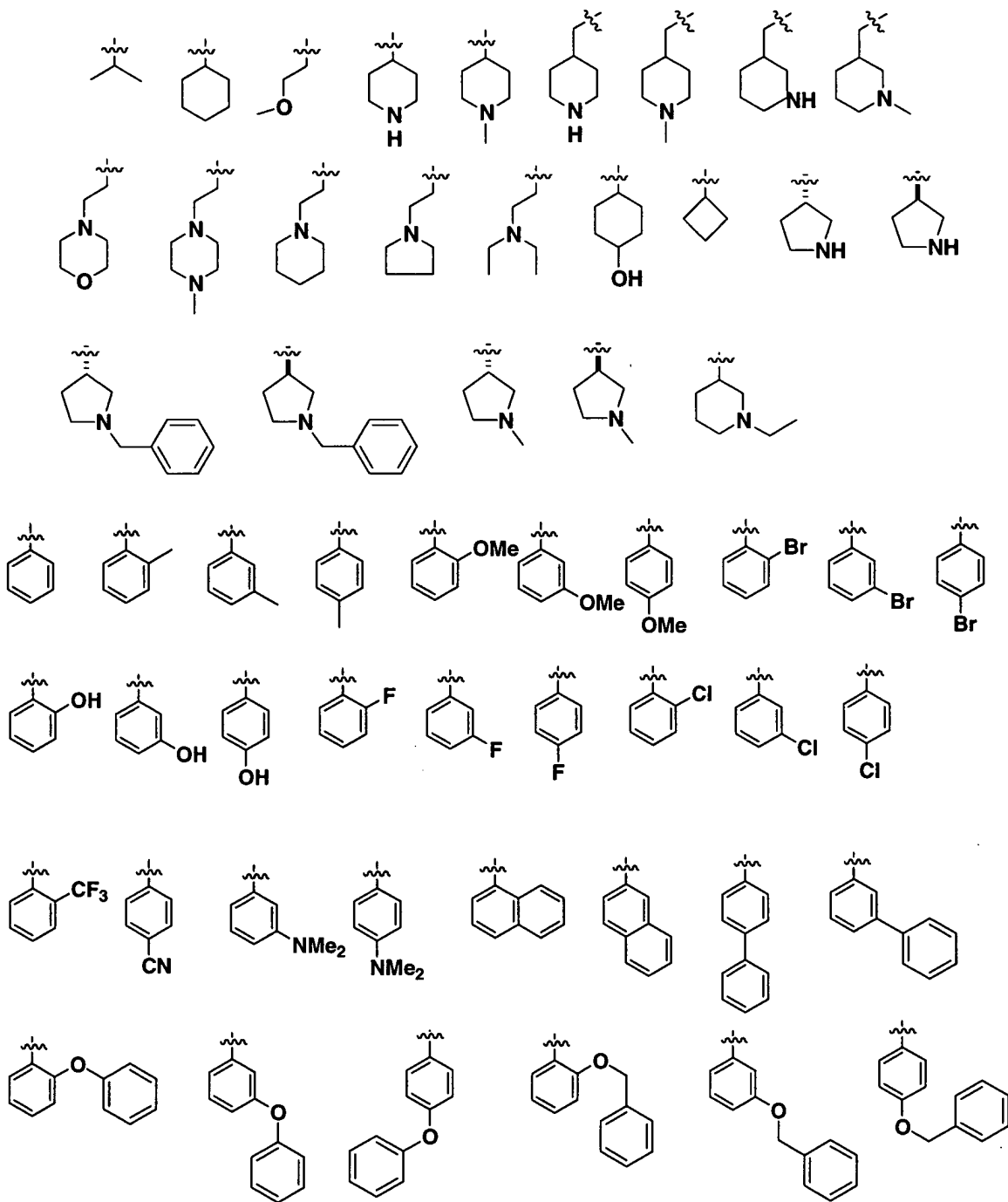


FIGURE 2A (cont.)

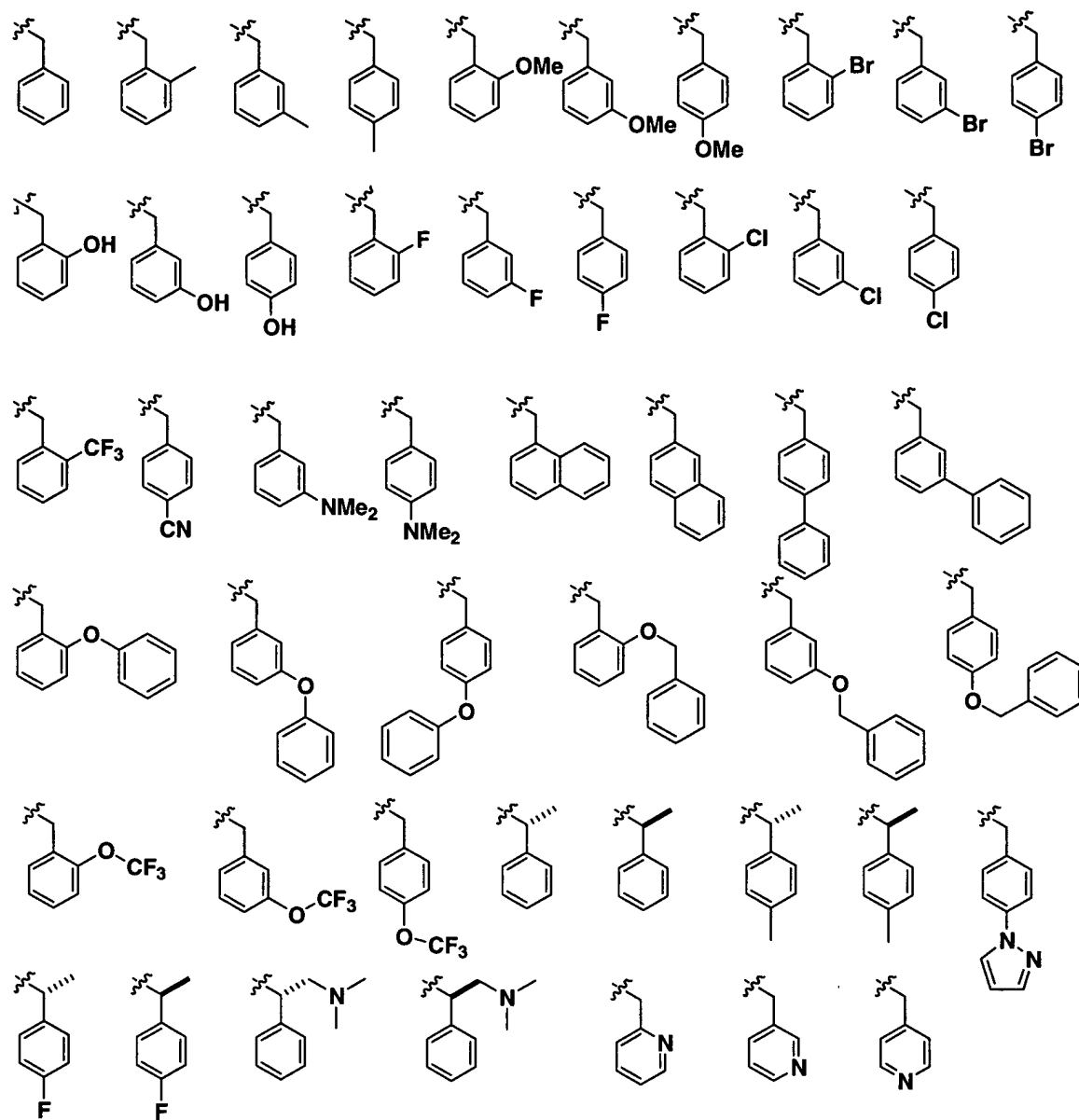


FIGURE 2A (cont.)

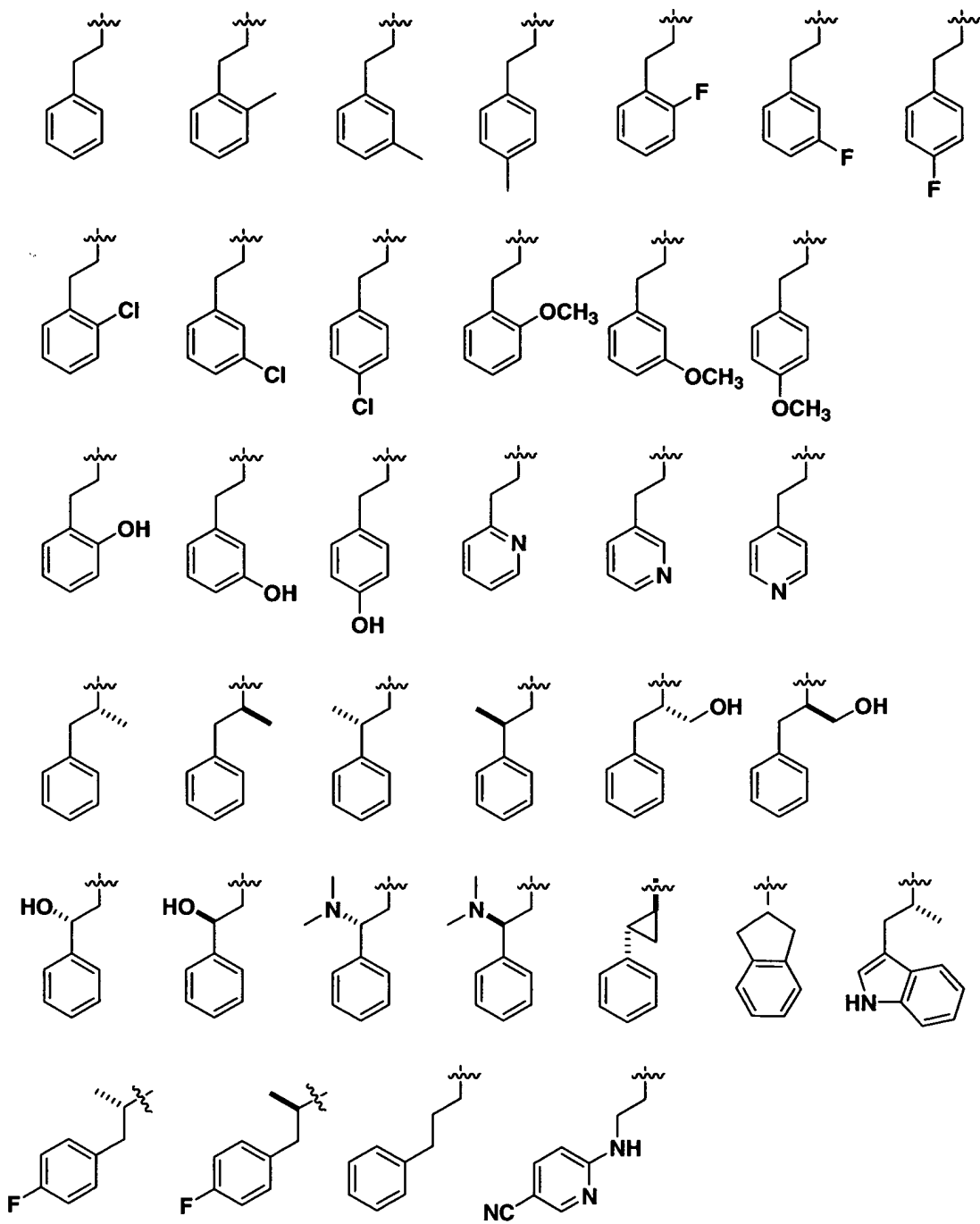


FIGURE 2A (cont.)

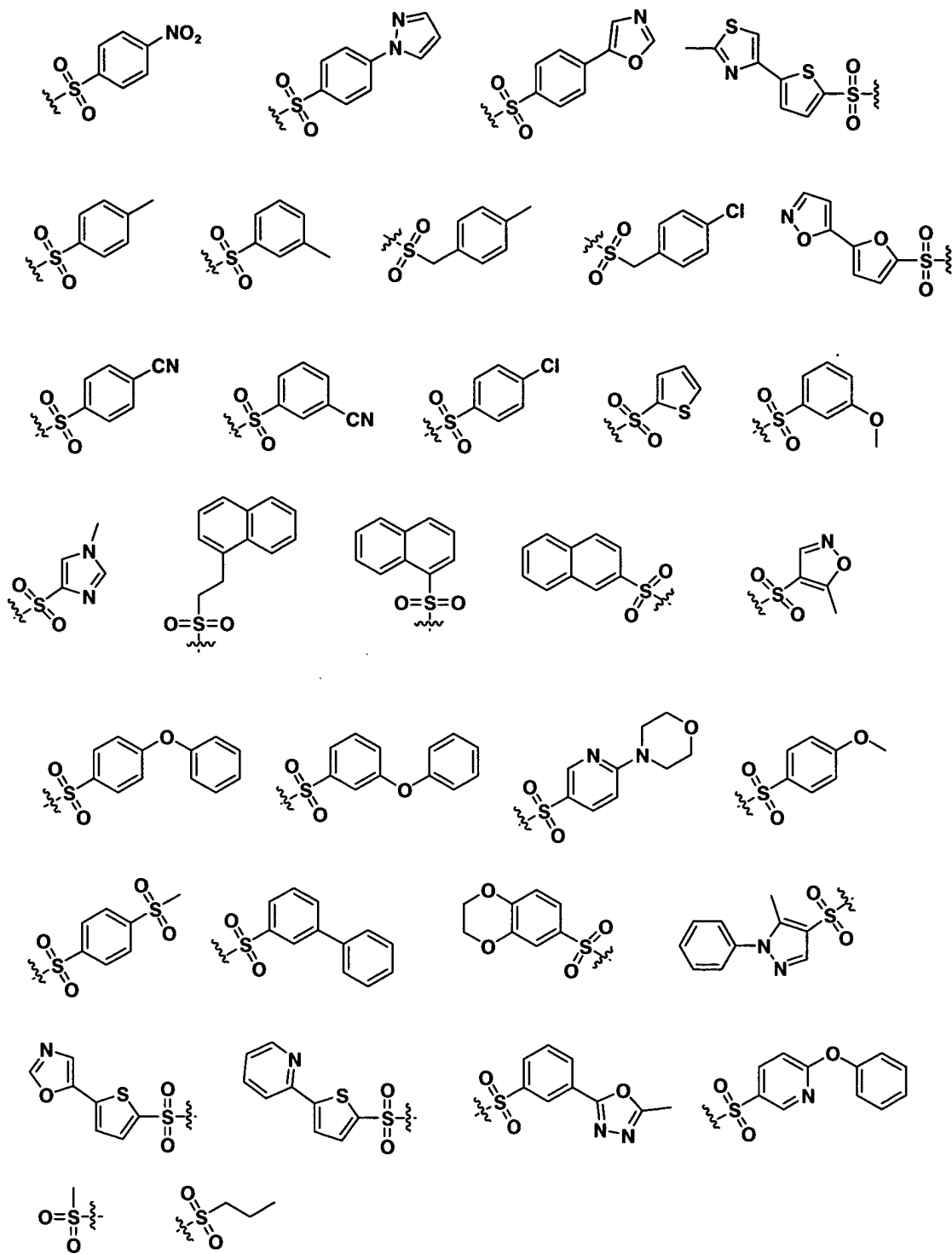


FIGURE 2A (cont.)

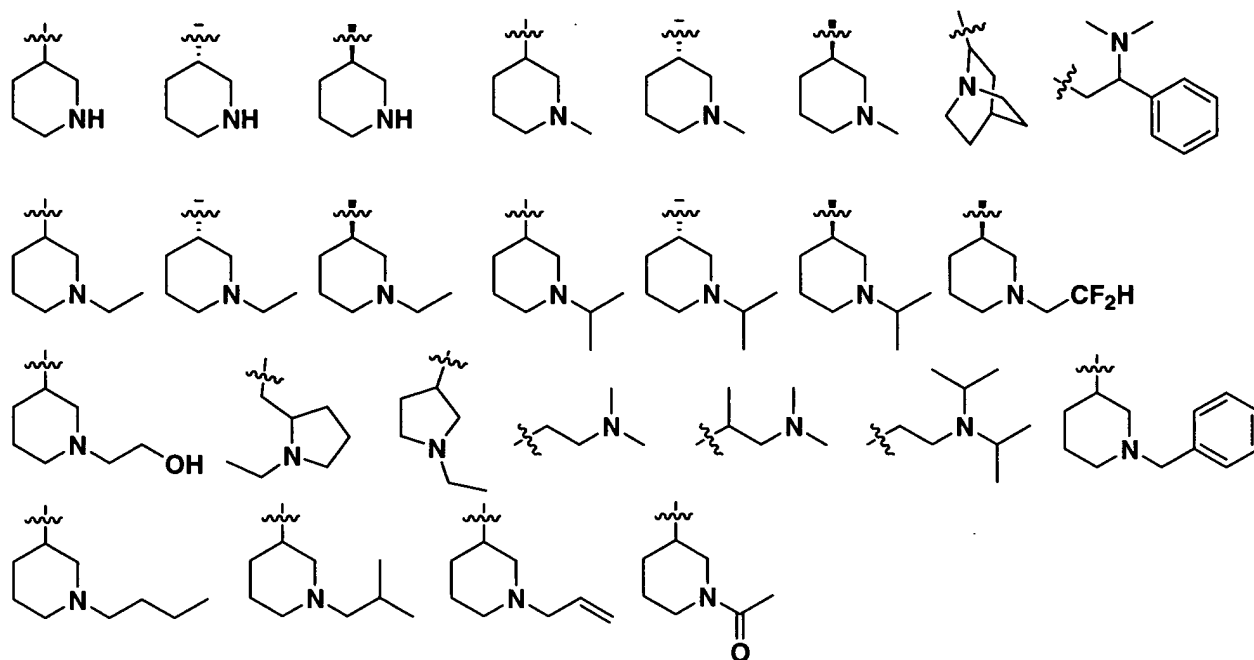


FIGURE 2B

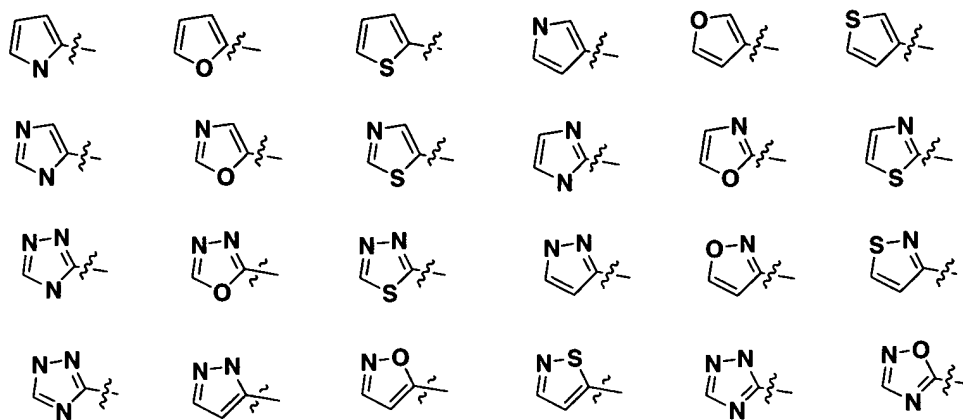


FIGURE 2C

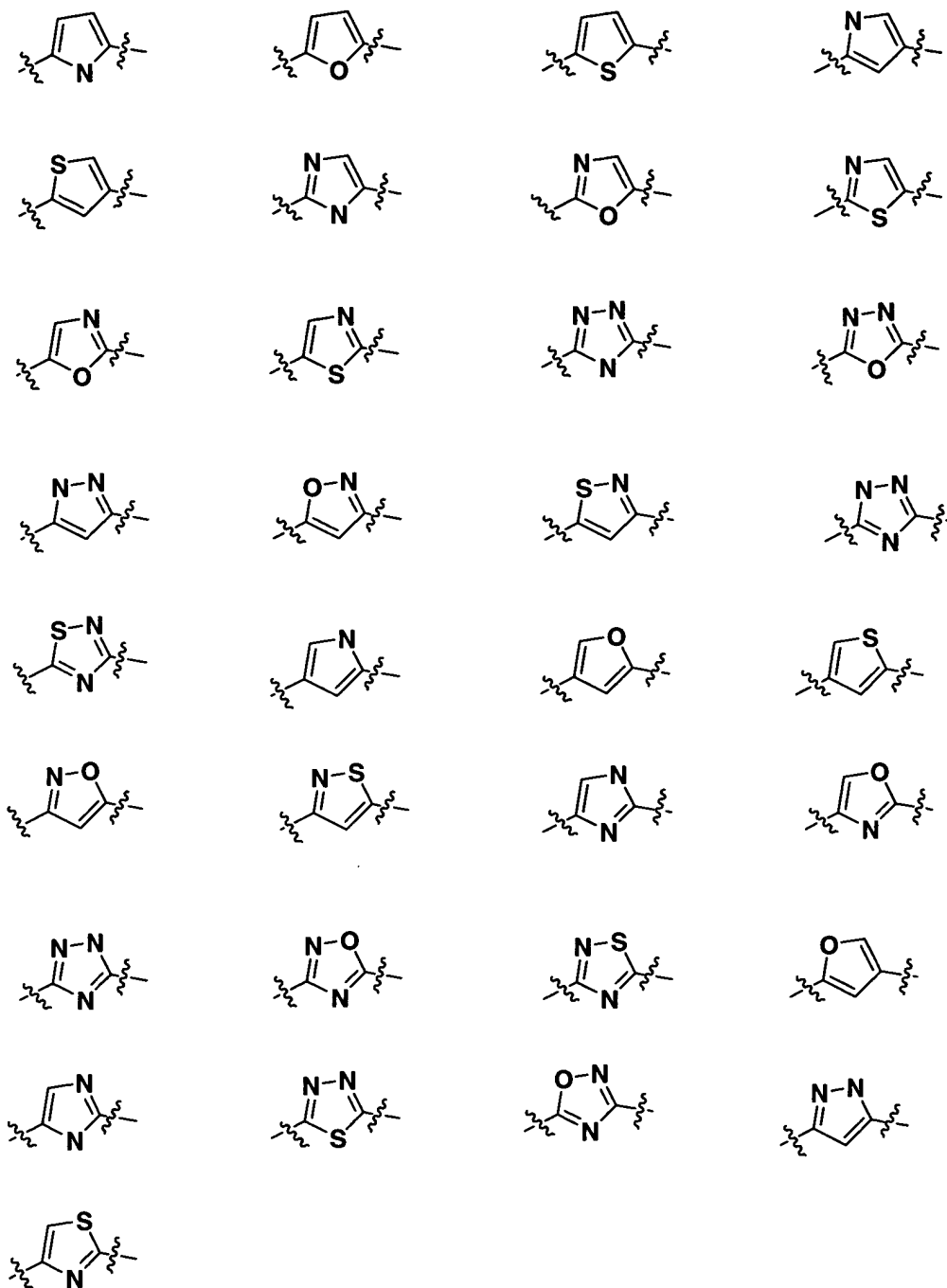


FIGURE 2C (cont.)

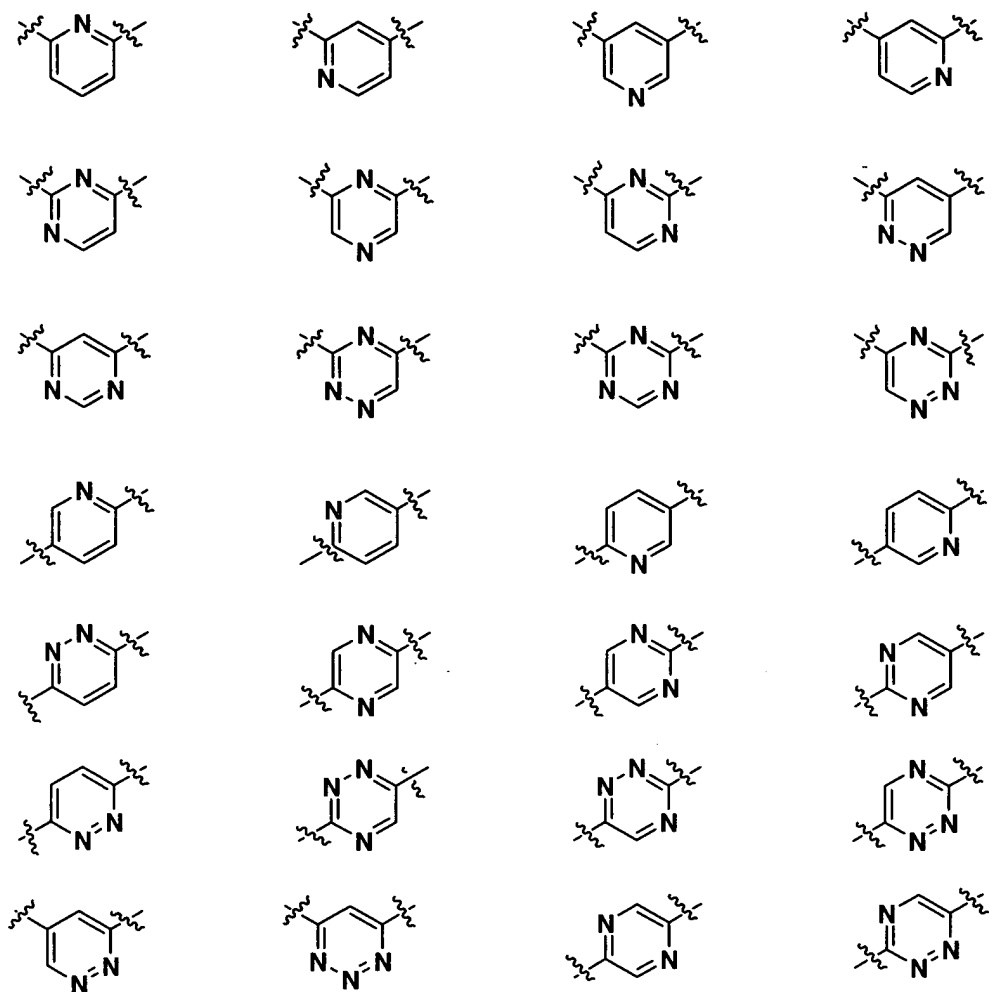


FIGURE 2D

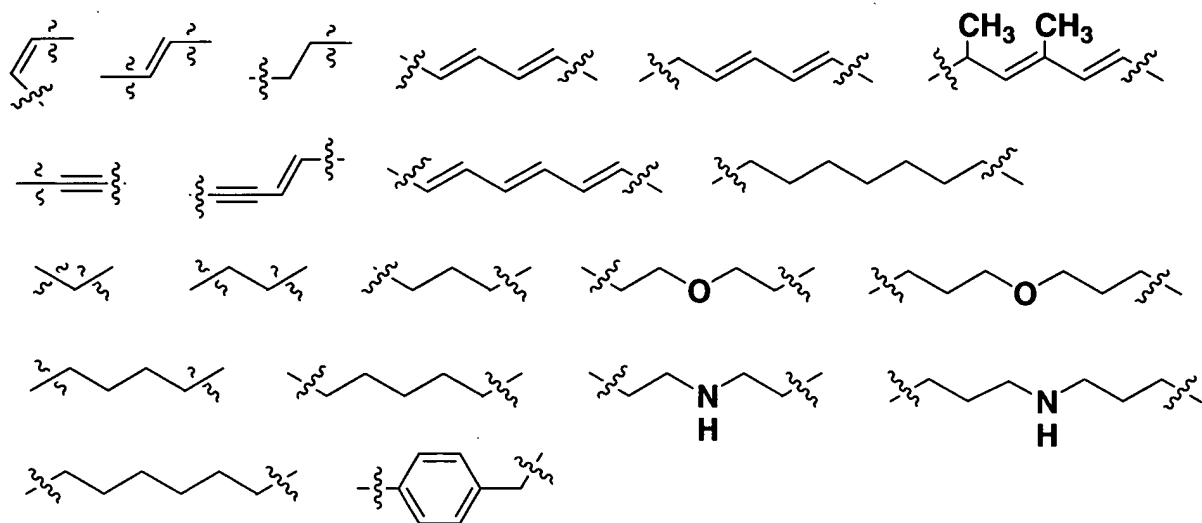


FIGURE 3

SEQ. ID No. 1

MSYYHHHHHDYDIPTTENLYFQGAMEPGGSMAQTQGTRRKVCYYYDGDVGNYYYYGQGHP
MKPHRIRMTHNLLNLYGLYRKMEIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSK
QMQRFNVEDCPVFDGLFEFCQLSTGGSVASAVKLNKQQTDAVNWAGGLHHAKKSEASG
FCYVNDIVLAILELLKYHQRVLYIDIDIHHGDGVVEEAFYTTDRVMTVSFHKYGEYFPGTG
DLRDIGAGKGKYYAVNYPLRDGIDDES YEAI FKPVMSKVMEMFQPSAVVLQCGSDSLSGD
RLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGYTIRNVARCWTYETAVALDTEIPNELP
YNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAI
PEESGDEDEDDPKKRISICSSDKRIACEE EFS DSEEEGEGGRKNSSNFKKAKRVKTEDEK
EKDPEEKKEVTEEEKTKEEKPEAKGVKEEVKLA

FIGURE 4

SEQ. ID No. 2

ATGTCGTACTACCATCACCATCACCATCACGATTACGATATCCCAACGACCGAAAACCTG
TATTTTCAGGGCGCCATGGAACCCGGGGGATCCATGGCGCAGACGCAGGGCACCCGGAGG
AAAGTCTGTTACTACTACGACGGGGATGTTGGAAATTACTATTATGGACAAGGCCACCCA
ATGAAGCCTCACCGAATCCGCATGACTCATAATTTGCTGCTCAACTATGGTCTCTACCGA
AAAATGGAAATCTATCGCCCTCACAAAGCCAATGCTGAGGAGATGACCAAGTACCACAGC
GATGACTACATTAAATTCTTGCGCTCCATCCGTCCAGATAACATGTCGGAGTACAGCAAG
CAGATGCAGAGATTCAACGTTGGTGAGGACTGTCCAGTATTTCGATGGCCTGTTTGAGTTC
TGTCAGTTGTCTACTGGTGGTTCTGTGGCAAGTGCTGTGAAACTTAATAAGCAGCAGACG
GACATCGCTGTGAATTGGGCTGGGGGCCTGCACCATGCAAAGAAGTCCGAGGCATCTGGC
TTCTGTTACGTCAATGATATCGTCTTGCCATCCTGGAACTGCTAAAGTATCACCAGAGG
GTGCTGTACATTGACATTGATATTACCATGGTGACGGCGTGGAAGAGGCCTTCTACACC
ACGGACCGGGTCATGACTGTGTCTTTTATAAGTATGGAGAGTACTTCCCAGGAACTGGG
GACCTACGGGATATCGGGGCTGGCAAAGGCAAGTATTATGCTGTAACTACCCGCTCCGA
GACGGGATTGATGACGAGTCCTATGAGGCCATTTTCAAGCCGGTCATGTCCAAAGTAATG
GAGATGTTCCAGCCTAGTGCGGTGGTCTTACAGTGTGGCTCAGACTCCCTATCTGGGGAT
CGGTTAGGTTGCTTCAATCTAACTATCAAAGGACACGCCAAGTGTGTGGAATTTGTCAAG
AGCTTTAACCTGCCTATGCTGATGCTGGGAGGCGGTGGTTACACCATTCGTAACGTTGCC
CGGTGCTGGACATATGAGACAGCTGTGGCCCTGGATACGGAGATCCCTAATGAGCTTCCA
TACAATGACTACTTTGAATACTTTGGACCAGATTTCAAGCTCCACATCAGTCCTTCCAAT
ATGACTAACCAGAACACGAATGAGTACCTGGAGAAGATCAAACAGCGACTGTTTGAGAAC
CTTAGAATGCTGCCGCACGCACCTGGGGTCCAAATGCAGGCGATTCTTGAGGACGCCATC
CCTGAGGAGAGTGCGGATGAGGACGAAGACGACCCTGACAAGCGCATCTCGATCTGCTCC
TCTGACAAACGAATTGCCTGTGAGGAAGAGTTCTCCGATTCTGAAGAGGAGGGAGAGGGG
GGCCGCAAGAACTCTTCCAACCTCAAAAAAGCCAAGAGAGTCAAAACAGAGGATGAAAA
GAGAAAGACCCAGAGGAGAAGAAAGAAGTCACCGAAGAGGAGAAAACCAAGGAGGAGAAG
CCAGAAGCCAAAGGGGTCAAGGAGGAGGTCAAGTTGGCCTGA

FIGURE 5

SEQ. ID No. 3

MGSMAYSQGGGKKKVCYYYDGDIGNYYYGQGHMPKPHRIRMTHNLLLNYGLYRKMEIYRP
HKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVEDCPVFDGLFEFCQLSTGG
SVAGAVKLNRRQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILLELLKYHQRVLYIDID
IHHGDGVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYAVNFPMRDGIDDES
YGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKGHAKCVEVVKTFNLPLL
MLGGGGYTIRNVARCWTYETAVALDCEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNT
EYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDSGDEDGEDPDKRISIRASDKRIAC
DEEFSDEDEGEGRNRVADHKKGAKKARIEEDKKETEDKKTVDVKEEDKSKDNSGEKTD
TGTKSEQLSNPGHHHHH

FIGURE 6

SEQ. ID No. 4

ATGGGATCCATGGCGTACAGTCAAGGAGGCGGCCAAAAAAGTCTGCTACTACTACGAC
GGTGATATTGGAAATTATTATTATGGACAGGGTCATCCCATGAAGCCTCATAGAATCCGC
ATGACCCATAACTTGCTGTAAATTATGGCTTATACAGAAAAATGGAAATATATAGGCC
CATAAAGCCACTGCCGAAGAAATGACAAAATATCACAGTGATGAGTATATCAAATTTCTA
CGGTCAATAAGACCAGATAACATGTCTGAGTATAGTAAGCAGATGCAGAGATTTAATGTT
GGAGAAGATTGTCCAGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
TCAGTTGCTGGAGCTGTGAAGTTAAACCGACAACAGACTGATATGGCTGTTAATTGGGCT
GGAGGATTACATCATGCTAAGAAATCAGAAGCATCAGGATTCTGTTACGTTAATGATATT
GTGCTTGCCATCCTTGAATTACTAAAGTATCATCAGAGAGTCTTATATATTGATATAGAT
ATTCATCATGGTGATGGTGTGAAGAAGCTTTTATACAACAGATCGTGTAATGACGGTA
TCATTCCATAAATATGGGAATACTTTCTGGCACAGGAGACTTGAGGGATATTGGTGCT
GGAAAAGGCAAATACTATGCTGTCAATTTTCCAATGAGAGATGGTATAGATGATGAGTCA
TATGGGCAGATATTTAAGCCTATTATCTCAAAGGTGATGGAGATGTATCAACCTAGTGCT
GTGGTATTACAGTGTGGTGCAGACTCATTATCTGGTGATAGACTGGGTTGTTTCAATCTA
ACAGTCAAAGGTGATGCTAAATGTGTAGAAGTTGTAAAACTTTTAACTTACCATTACTG
ATGCTTGGAGGAGGTGGCTACACAATCCGTAATGTTGCTCGATGTTGGACATATGAGACT
GCAGTTGCCCTTGATTGTGAGATTCCCAATGAGTTGCCATATAATGATTACTTTGAGTAT
TTTGGACCAGACTTCAAACCTGCATATTAGTCCTTCAAACATGACAAACCAGAACACTCCA
GAATATATGGAAAAGATAAAACAGCGTTTGTGTGAAAATTTGCGCATGTTACCTCATGCA
CCTGGTGTCCAGATGCAAGCTATTCCAGAAGATGCTGTTTCATGAAGACAGTGGAGATGAA
GATGGAGAAGATCCAGACAAGAGAATTTCTATTTCGAGCATCAGACAAGCGGATAGCTTGT
GATGAAGAATTCTCAGATTCTGAGGATGAAGGAGAAGGAGGTCTGAAGAAATGTGGCTGAT
CATAAGAAAGGAGCAAAGAAAGCTAGAATTGAAGAAGATAAGAAAGAAACAGAGGACAAA
AAACAGACGTTAAGGAAGAAGATAAATCCAAGGACAACAGTGGTGAAAAACAGATACC
AAAGGAACCAAATCAGAACAGCTCAGCAACCCCGGGCATCACCATCACCATCACTAA

FIGURE 7

SEQ. ID No. 5

MPGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCVS
FQARFAEKEELMLVHSLEYIDLMETTQYMNELRVLADTYDSVYLHPNSYSCACLASGS
VLRLVDAVLGAEIRNGMAIIRPPGHHAQHSLMDGYCMFNHVAVAARYAQQKHRIRRVLIV
DWDVHHGQGTQFTFDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTGFGQGQGYTINVPWN
QVGMRDADYIAAFLHVLLPVALEFQPQLVLVAAGFDALQGD PKGEMAATPAGFAQLTHLL
MGLAGGKLILSLEGGYNLRALAEGVSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEA
LEPFWEVLVRSTETVERDNMEEDNVEESEESEEGPWEPVLPILTWPVLQSR TGLVYDQNM
NHCNLWDSHHPEVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGH LRA
TEKMKTRE LHRESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGH
HAEQDAACGFCFFNSVAVARHAQTISGHALRILIVDWDVHHGNGTQHMFEDDPSVLYVS
LHRYDHGTFFPMGDEGASSQIGRAAGTGFTVNVANGPRMGDADYLAAWHRLVLP IAYEF
NPVLVLSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLASGRIILILEGGYNLTSISES
MAACTRSL LGDPPPLLTLPRPPLSGALASITETIQVHRRYWRSLRVMKVEDREGPGHHHH
HH

FIGURE 9

SEQ. ID No. 7

MHHHHHHHPMEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRAS MVHSLIEAYALHK
QMRIVKPKVASMEEMAAFH TDAYLQHLQKVSQEGDDHDPDSIEYGLGYDCPATEGIFDYA
AAIGGATITAAQCLIDGMCKVAINWSSGGWHHAKKDEASGFCYLNDAVLGILRLRRKFERI
LYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNVPIQ
DGIQDEKYYQICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMT PVGIGKCLKYIL
QWQLATLILGGGGYNLANTARCW TYLTGVILGKTLSS EIPDHEFFTAYGPDYVLEITPSC
RPDRNEPHRIQQILNYIKGNLKHVV

FIGURE 8

SEQ. ID No. 6

ATGCCCCGGGATGGATCTGAACCTTGAGGCTGAAGCACTGGCTGGCACTGGCTTGGTGTG
GATGAGCAGTTAAATGAATTCCATTGCCTCTGGGATGACAGCTTCCCGGAAGGCCCTGAG
CGGCTCCATGCCATCAAGGAGCAACTGATCCAGGAGGGCCTCCTAGATCGCTGCGTGTCC
TTTCAGGCCCGGTTTGTCTGAAAAGGAAGAGCTGATGTTGGTTTACAGCCTAGAAATATATT
GATCTGATGGAAACAACCCAGTACATGAATGAGGGAGAACTCCGTGTCCTAGCAGACACC
TACGACTCAGTTTATCTGCATCCGAACTCATACTCCTGTGCCTGCCTGGCCTCAGGCTCT
GTCCTCAGGCTGGTGGATGCGGTCTCTGGGGCTGAGATCCGGAATGGCATGGCCATCATT
AGGCCTCCTGGACATCACGCCCAGCACAGTCTTATGGATGGCTATTGCATGTTCAACCAC
GTGGCTGTGGCAGCCCGCTATGCTCAACAGAAACACCGCATCCGGAGGGTCTTATCGTA
GATTGGGATGTGCACCACGGTCAAGGAACACAGTTACCTTCGACCAGGACCCCAAGTGT
CTCTATTTCTCCATCCACCGCTACGAGCAGGGTAGGTTCTGGCCCCACCTGAAGGCCTCT
AACTGGTCCACCACAGGTTTCGGCCAAGGCCAAGGATATACCATCAATGTGCCTTGAAC
CAGGTGGGGATGCGGGATGCTGACTACATTGCTGCTTTCCTGCACGTCCTGCTGCCAGTC
GCCCTCGAGTTCAGCCTCAGCTGGTCTGGTGGCTGCTGGATTTGATGCCCTGCAAGGG
GACCCCAAGGGTGAGATGGCCGCCACTCCGGCAGGGTTCGCCAGCTAACCCACCTGCTC
ATGGGTCTGGCAGGAGGCAAGCTGATCCTGTCTCTGGAGGGTGGCTACAACCTCCGCGCC
CTGGCTGAAGGCGTCAGTGCTTCGCTCCACACCCTTCTGGGAGACCTTGCCCCATGCTG
GAGTCACCTGGTGCCCCCTGCCGGAGTGCCAGGCTTCAGTTTCCTGTGCTCTGGAAGCC
CTTGAGCCCTTCTGGGAGGTTCTTGTGAGATCAACTGAGACCGTGAGAGGGACAACATG
GAGGAGGACAATGTAGAGGAGAGCGAGGAGGAAGGACCCTGGGAGCCCCCTGTGCTCCCA
ATCCTGACATGGCCAGTGCTACAGTCTCGCACAGGGCTGGTCTATGACCAAAATATGATG
AATCACTGCAACTTGTGGGACAGCCACCACCCTGAGGTACCCAGCGCATCTTGCGGATC
ATGTGCCGTCTGGAGGAGCTGGGCCTTGCCGGGCGCTGCCTCACCTGACACCGCGCCCT
GCCACAGAGGCTGAGCTGCTCACCTGTACAGTGCTGAGTACGTGGGTCTCTCCGGGCC
ACAGAGAAAATGAAAACCCGGGAGCTGCACCGTGAGAGTTCCAACTTTGACTCCATCTAT
ATCTGCCCCAGTACCTTCGCCTGTGCACAGCTTGCCACTGGCGCTGCCTGCCGCTGGTG
GAGGCTGTGCTCTCAGGAGAGGTTCTGAATGGTGCTGCTGTGGTGCGTCCCCAGGACAC
CACGCAGAGCAGGATGCAGCTTGCGGTTTTTGTCTTTTCAACTCTGTGGCTGTGGCTGCT
CGCCATGCCCAGACTATCAGTGGGCATGCCCTACGGATCCTGATTGTGGATTGGGATGTC
CACCACGGTAATGGAACCTCAGCACATGTTTGAGGATGACCCAGTGCTATATGTGTCC
CTGCACCGCTATGATCATGGCACCTTCTTCCCCATGGGGGATGAGGGTGCCAGCAGCCAG
ATCGGCCGGGCTGCGGGCACAGGCTTCACCGTCAACGTGGCATGGAACGGGCCCCGCATG
GGTGATGCTGACTACCTAGCTGCCTGGCATCGCCTGGTGCTTCCCATTGCTTACGAGTTT
AACCAGAACTGGTGCTGGTCTCAGCTGGCTTTGATGCTGCACGGGGGGATCCGCTGGGG
GGCTGCCAGGTGTCACCTGAGGGTTATGCCACCTCACCCACCTGCTGATGGGCCTTGCC
AGTGGCCGATTATCCTTATCCTAGAGGGTGGCTATAACCTGACATCCATCTCAGAGTCC
ATGGCTGCCTGCACTCGCTCCCTCCTTGGAGACCCACCACCCCTGCTGACCTGCCACGG
CCCCACTATCAGGGGCCCTGGCCTCAATCACTGAGACCATCCAAGTCCATCGCAGATAC
TGGCGCAGCTTACGGGTATGAAGGTAGAAGACAGAGAAGGACCCGGGCATCACCATCAC
CATCACTAA

FIGURE 10

SEQ. ID No. 8

ATGCACCATCACCATCACCATCCCATGGAGGAGCCGGAGGAACCGGCGGACAGTGGGCAG
TCGCTGGTCCCGGTTTATATCTATAGTCCCGAGTATGTCAGTATGTGTGACTCCCTGGCC
AAGATCCCCAAACGGGCCAGTATGGTGCAATCCTTTGATTGAAGCATATGCACTGCATAAG
CAGATGAGGATAGTTAAGCCTAAAGTGGCCTCCATGGAGGAGATGGCCGCCTTCCACACT
GATGCTTATCTGCAGCATCTCCAGAAGGTGAGCCAAGAGGGCGATGATGATCATCCGGAC
TCCATAGAATATGGGCTAGGTTATGACTGCCCAGCCACTGAAGGGATATTTGACTATGCA
GCAGCTATAGGAGGGGCTACGATCACAGCTGCCCAATGCCTGATTGACGGAATGTGCAA
GTAGCAATTAAGTGGTCTGGAGGGTGGCATCATGCAAAGAAAGATGAAGCATCTGGTTTT
TGTTATCTCAATGATGCTGTCTGGGAATATTACGATTGCGACGGAAATTTGAGCGTATT
CTCTACGTGGATTTGGATCTGCACCATGGAGATGGTGTAGAAGACGCATTCAGTTTCACC
TCCAAAGTCATGACCGTGTCCCTGCACAAATTCTCCCCAGGATTTTTCCCAGGAACAGGT
GACGTGTCTGATGTTGGCCTAGGGAAGGGACGGTACTACAGTGTAATGTGCCCATTGAG
GATGGCATAAAGATGAAAAATATTACCAGATCTGTGAAAGTGTAATAAGGAAGTATAC
CAAGCCTTTAATCCCAAAGCAGTGGTCTTACAGCTGGGAGCTGACACAATAGCTGGGGAT
CCCATGTGCTCCTTTAACATGACTCCAGTGGGAATTGGCAAGTGTCTTAAGTACATCCTT
CAATGGCAGTTGGCAACACTCATTTTGGGAGGAGGAGGCTATAACCTTGCCAACACGGCT
CGATGCTGGACATACTTGACCGGGGTCATCCTAGGGAAAACACTATCCTCTGAGATCCCA
GATCATGAGTTTTTTCACAGCATATGGTCCTGATTATGTGCTGGAAATCACGCCAAGCTGC
CGGCCAGACCGCAATGAGCCCCACCGAATCCAACAAATCCTCAACTACATCAAAGGGAAT
CTGAAGCATGTGGTCTAG